

APALACHICOLA RIVER BASIN
2004 Water Year

**02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM,
AT SANDY SPRINGS, GA**

LOCATION.—Lat 33°58'05", long 84°22'58" referenced to North American Datum (NAD) of 1983, Cobb-Fulton County Line, Hydrologic Unit 03130001, on left bank 400.00 feet downstream of Morgan Falls Dam, 3.8 miles upstream from mouth of Sope Creek.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—January 13, 2004 to September 30, 2004.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: January 13, 2004 to September 30, 2004.

INSTRUMENTATION.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—

WATER TEMPERATURE: Maximum recorded, 23.6°C, July 28; minimum recorded, 5.2°C, February 8.

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00 CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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 LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00 CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.6	6.6	7.1	10.8	8.9	9.8	12.8	11.3	11.8	15.7	14.5	15.0
2	7.4	6.2	6.9	12.1	10.8	11.6	12.1	10.9	11.6	15.9	15.1	15.5
3	7.4	6.1	6.7	13.0	12.0	12.5	13.4	11.7	12.6	15.8	14.8	15.1
4	7.3	6.3	6.8	12.8	12.3	12.6	13.9	12.6	13.2	16.0	14.6	15.3
5	7.1	6.5	6.7	12.7	12.5	12.6	13.7	12.1	12.9	16.8	14.8	15.9
6	7.4	6.6	6.9	14.0	12.6	13.3	13.1	11.6	12.5	18.7	16.0	17.4
7	7.1	6.0	6.6	13.9	12.9	13.4	14.4	12.7	13.6	19.8	17.7	18.8
8	6.8	5.2	6.0	13.1	11.1	11.8	14.8	13.5	14.2	20.9	18.3	19.4
9	7.0	6.3	6.5	11.1	10.0	10.5	15.8	13.9	14.9	20.1	18.6	19.3
10	7.2	6.3	6.8	10.3	9.4	9.9	15.5	14.4	14.9	20.0	17.9	18.9
11	7.6	7.0	7.2	10.6	9.2	9.9	14.7	14.0	14.3	18.8	17.8	18.4
12	7.7	7.3	7.6	11.1	9.3	10.3	14.3	13.6	13.9	17.9	17.1	17.5
13	8.2	6.8	7.5	11.0	9.2	10.1	13.8	12.1	12.9	---	---	---
14	8.4	7.6	7.9	11.6	10.9	11.2	12.3	11.0	11.8	18.2	17.2	17.7
15	8.4	8.0	8.2	12.3	11.6	12.0	13.6	12.0	12.7	19.5	17.1	18.3
16	8.1	7.3	7.6	12.8	12.0	12.4	15.0	13.1	14.0	19.9	18.5	19.1
17	7.5	6.8	7.2	12.6	11.8	12.3	16.2	14.3	15.2	19.3	17.9	18.5
18	8.2	6.9	7.6	12.5	10.6	11.3	16.8	15.3	16.1	18.4	16.7	17.6
19	8.9	7.1	8.0	12.7	11.1	11.8	18.1	15.9	17.0	---	---	---
20	8.9	7.6	8.2	13.2	11.9	12.5	18.5	17.0	17.8	19.2	16.9	17.9
21	9.8	8.6	9.3	14.1	12.5	13.3	18.4	17.1	17.6	20.6	18.7	19.5
22	10.0	9.1	9.6	12.5	11.0	11.3	17.6	16.3	17.0	20.3	18.6	19.5
23	9.8	8.4	9.1	11.1	9.9	10.5	18.3	17.0	17.7	---	---	---
24	8.8	8.5	8.7	11.7	9.6	10.6	18.4	17.4	17.8	21.4	20.0	20.7
25	8.8	8.2	8.6	12.7	11.4	12.0	18.2	17.4	17.7	---	---	---
26	8.2	6.8	7.3	14.6	12.5	13.5	17.7	16.3	17.3	20.9	19.8	20.4
27	7.0	6.6	6.8	15.2	13.6	14.3	16.3	15.3	15.8	---	---	---
28	8.4	6.6	7.4	16.4	13.9	15.1	16.3	14.6	15.5	21.4	20.2	20.8
29	8.9	8.0	8.5	16.1	15.3	15.7	16.6	15.4	16.0	---	---	---
30	---	---	---	15.4	14.0	14.8	15.4	14.6	14.9	19.9	18.6	19.2
31	---	---	---	14.7	12.8	13.2	---	---	---	---	---	---
MONTH	10.0	5.2	7.6	16.4	8.9	12.1	18.5	10.9	14.8	---	---	---

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Temperature, water, degrees Celsius
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	20.0	18.4	19.2	19.0	16.6	17.6	17.4	14.7	15.8
2	---	---	---	19.9	15.8	17.8	19.0	16.6	17.9	16.4	15.5	15.9
3	19.3	17.9	18.6	19.4	13.6	16.2	18.1	15.5	16.9	16.4	13.3	14.5
4	---	---	---	19.1	17.7	18.3	18.7	16.4	17.6	15.8	14.6	15.2
5	20.0	18.7	19.3	19.5	17.2	18.2	18.6	15.8	17.0	17.6	15.0	16.2
6	20.5	18.5	19.5	20.8	17.3	18.7	20.9	18.1	19.4	19.1	17.6	18.4
7	19.7	18.1	19.1	18.0	13.1	15.7	21.3	19.4	20.2	20.8	19.1	20.1
8	19.2	16.4	17.7	18.2	12.9	15.5	20.0	18.9	19.4	21.5	20.2	21.1
9	19.4	18.4	19.0	17.6	13.1	14.8	18.9	17.1	17.9	22.9	20.7	21.7
10	20.0	17.7	18.8	16.3	12.7	14.3	18.1	13.5	15.2	22.3	16.6	18.5
11	19.6	17.7	18.5	20.1	16.3	18.1	15.5	13.0	14.0	18.4	16.5	17.4
12	21.4	18.6	19.9	20.9	19.7	20.1	17.8	14.6	16.0	18.2	16.1	17.3
13	21.3	19.7	20.4	20.9	19.8	20.3	20.7	17.0	18.7	18.1	16.8	17.5
14	21.5	19.9	20.7	20.9	17.0	18.6	20.5	15.1	17.1	17.6	16.0	16.6
15	21.3	19.4	20.7	21.1	17.3	19.4	17.5	15.3	16.3	16.5	15.1	15.6
16	21.0	19.4	20.2	20.6	19.1	20.0	19.1	17.4	18.2	21.4	15.3	16.7
17	22.2	20.5	21.2	20.1	17.4	18.3	18.8	16.9	17.9	22.3	21.0	21.7
18	22.1	20.9	21.4	21.1	18.7	19.8	17.8	15.6	16.9	22.2	21.1	21.6
19	22.8	20.8	21.7	21.1	18.2	19.5	18.0	15.7	17.0	21.2	19.8	20.5
20	23.3	21.5	22.2	19.8	17.4	18.6	17.8	16.0	16.9	19.8	12.6	15.9
21	22.1	19.6	21.0	18.6	16.1	17.2	17.3	16.3	16.8	13.5	12.0	12.7
22	20.7	18.6	19.6	17.5	15.5	16.6	18.7	16.6	17.5	13.3	11.9	12.6
23	21.0	20.0	20.4	18.3	15.7	17.0	18.8	17.0	17.9	13.4	11.9	12.6
24	20.5	19.7	20.2	20.0	17.4	18.6	17.6	16.1	17.0	13.5	12.1	12.8
25	19.9	19.0	19.5	20.0	17.3	18.6	17.8	15.6	16.9	14.2	12.5	13.3
26	20.0	19.2	19.6	20.2	18.1	19.2	18.6	16.4	17.8	14.7	12.9	13.7
27	20.5	19.8	20.1	21.1	19.4	20.4	18.1	16.1	16.9	17.6	12.8	13.5
28	20.7	18.7	19.9	23.6	20.6	22.2	17.3	15.7	16.6	19.5	15.9	18.6
29	22.4	20.3	21.3	23.0	16.8	18.8	17.8	16.3	17.0	15.9	13.4	14.7
30	22.1	19.7	20.9	17.1	15.5	16.3	19.2	17.7	18.6	14.0	12.9	13.3
31	---	---	---	19.8	16.6	17.9	19.2	15.9	17.1	---	---	---
MONTH	---	---	---	23.6	12.7	18.2	21.3	13.0	17.4	22.9	11.9	16.5